Semple, et al.; U.S.S N. 10/092,004; Filed March 5, 2002; For "Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atty Dkt No.: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016; Sheet 1 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS

Compd#	MOLSTRUCTURE
1	
· 2	
3	
4	
5	
6	
7	

Semple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For "Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atty Dkt No: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016; Sheet 2 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS

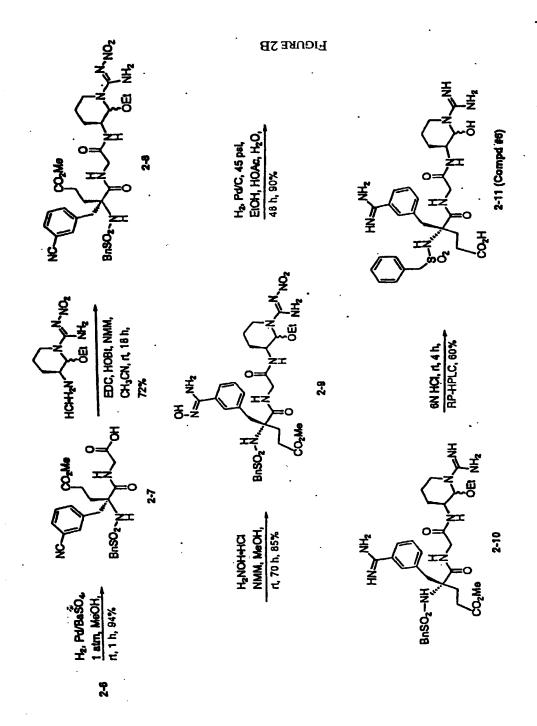
Compd #	MOLSTRUCTURE
8	
9	
10	
11	
12	
13	
<b>14</b> ·	

Semple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For "Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atty Dkt No.: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016; Sheet 3 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS

Compd #	MOLSTRUCTURE	Compd #	MOLSTRUCTURE
15	He of the state of	20	
16	HC SO	21	
17 .		<b>22</b>	
18		<b>23</b>	
19			

FIGURE 1C

Semple, et al., U.S.S.N., 10/092,004; Filed March 5, 2002; For Dkt No.: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016; Sheet 4 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS



Semple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For Dkt No.: 018813-0282105; Pillsbury Winthrop L.Lp; (858) 509-4016; Sheet 5 of 12 (Figs. 1A-5B), SUBSTITUTE DRAWINGS

Semple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For "Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atty Dkt No: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016; Sheet 6 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS

GTTGTTGGGGGCACGGATGCGGATGAGGGCGAGTGGCCCTGGCAGGTAAGCCTGCATGCT CAACAACCCCCGTGCCTACGCCTACTCCCGCTCACCGGGACCGTCCATTCGGACGTACGA VVGGTDADE P Q V S L H A> G L G Q G H I C G A S L I S P N W L V S A> GCACACTGCTACATCGATGACAGAGGATTCAGGTACTCAGACCCCACGCAGTGGACGGCC CGTGTGACGATGTAGCTACTGTCTCCTAAGTCCATGAGTCTGGGGTGCGTCACCTGCCGG AHCYIDDRGFRYSD TTCCTGGGCTTGCACGACCAGAGCCAGCGCGCGCCCCTGGGGTGCAGGAGCGCAGGCTC AAGGACCCGAACGTGCTGGTCTCGGTCGCGTCGCGGGACCCCACGTCCTCGCGTCCGAG RSAPGVQERRL> GLHDQS AAGCGCATCATCTCCCACCCCTTCTTCAATGACTTCACCTTCGACTATGACATCGCGCTG TTCGCGTAGTAGAGGGTGGGGAAGAAGTTACTGAAGTGGAAGCTGATACTGTAGCGCGAC KRIISHPFFNDFTFDYDIAL> 

FIGURE 3A

EKPAEYSSMVRPICLPD>

Semple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For "Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atty Dkt No.: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016; Sheet 7 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS

37C 380 390 400 410 420 GCCTCCCATGTCTTCCCTGCCGGCAAGGCCATCTGGGTCACGGGCTGGGGACACACCCAG CGGAGGGTACAGAAGGGACGGCCGTTCCGGTAGACCCAGTGCCCGACCCCTGTGTGGGTC ASHVFP-AGKAIWVTGWGHTQ> 460 470 480 430 450 440 TATGGAGGCACTGGCGCTGATCCTGCAAAAGGGTGAGATCCGCGTCATCAACCAGACC **ATACCTCCGTGACCGCGACTAGGACGTTTTCCCACTCTAGGCGCAGTAGTTGGTCTGG** 520 540 490 500 510 530 ACCTGCGAGAACCTCCTGCCGCAGCAGATCACGCCGCGCATGATGTGCGTGGGCTTCCTC TGGACGCTCTTGGAGGACGGCGTCGTCTAGTGCGGCGCGTACTACACGCACCCGAAGGAG QIT 0 570 590 600 550 560 580 AGCGGCGGCGTGGACTCCTGCCAGGGTGATTCCGGGGGACCCCTGTCCAGCGTGGAGGCG TCGCCGCCGCACCTGAGGACGGTCCCACTAAGGCCCCCTGGGGACAGGTCGCACCTCCGC SGGV D S CQGDSG G 650 660 620 630 640 610 GATGGGCGGATCTTCCAGGCCGGTGTGGTGAGCTGGGGAGACGGCTGCGCTCAGAGGAAC CTACCCGCCTAGAAGGTCCGGCCACACCACTCGACCCCTCTGCCGACGCGAGTCTCCTTG G D G C 700 710 720 670 680 690 AAGCCAGGCGTGTACACAAGGCTCCCTCTGTTTCGGGACTGGATCAAAGAGAACACTGGG TTCGGTCCGCACATGTGTTCCGAGGGAGACAAAGCCCTGACCTAGTTTCTCTTGTGACCC KENTG> FIGURE 3B I ₽ F R D H L

Semple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For "Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atty Dkt No.: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016; Sheet 8 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS

GTATAG

CATATC

V \*>

FIGURE 3C

Semple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For "Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atty Dkt No.: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016; Sheet 9 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS

FIGURE 4A

5

Semple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For "Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atry Dkt No: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016; Sheet 10 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS

FIGURE 4B

Semple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For "Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atty Dkt No.: 018813-0282105; Pillsbury Winthrop LLP; (858) 505-4916; Sheet 11 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS

Compou	nd Structure
A	· Hit with
	~
	مكم ليلي
В	~~
	~ pyron
	<u>'</u> '
C	In work
	HE TO M
	"Lil
D	you my my
	mill
	~ <u>`</u>
E	PI TH
	1 11
F	~ <b>"</b> ~"
	Mill
	****
G	g-Dig
	" The state of the
	Ta.

FIGURE 5A

1,5

Semple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For "Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atty Dkt No.: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016; Sheet 12 of 12 (Figs. 1A-5B) SUBSTITUTE DRAWINGS

Compound	Structure
Н	
1	
J	
K	
L	
М	